

Technical data sheet

Connection unit

Part no.: 53800121

CU429-5000

Contents

- Technical data
- Electrical connection



Figure can vary



Technical data

Basic data

Suitable for	RSL 430 safety laser scanner
	RSL 440 safety laser scanner

Connection

Number of connections	2 Piece(s)
-----------------------	------------

Connection 1

Function	Machine interface
Type of connection	Cable
Cable length	5,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	29 -wire

Connection 2

Function	Data interface
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	D-coded

Mechanical data

Dimension (W x H x L)	140.2 mm x 72.8 mm x 140.3 mm
Housing material	Metal
Metal housing	Diecast zinc
Net weight	2,080 g
Housing color	Black
Type of fastening	Bayonet system

Classification

Customs tariff number	85444290
eCl@ss 5.1.4	27279290
eCl@ss 8.0	27279290
eCl@ss 9.0	27279090
eCl@ss 10.0	27272791
eCl@ss 11.0	27272791
ETIM 5.0	EC002498
ETIM 6.0	EC003015
ETIM 7.0	EC003015

Electrical connection

Connection 1

Function	Machine interface
Type of connection	Cable
Cable length	5,000 mm
Sheathing material	PUR
Cable color	Black
Number of conductors	29 -wire

Conductor color

Conductor assignment

White	RES1
Brown	+24V
Green	EA1
Yellow	A1
Gray	OSSDA1
Pink	OSSDA2
Blue	GND / Ground
Red	MELD
Black	F1
Violet	F2
Gray / Pink	F3
Blue / Red	F4
Green / White	F5
Brown / Green	SE1
White / Yellow	SE2
Brown / Yellow	A2
Gray / White	A3
Brown / Gray	A4
Pink / White	EA2
Brown / Pink	EA3
Blue / White	EA4
Blue / Brown	F6
Red / White	F7

Electrical connection

Conductor color	Conductor assignment
Brown / Red	F8
Black / White	F9
Black / Brown	F10
Gray / Green	RES2
Gray / Yellow	OSSDB1
Green / Pink	OSSDB2

Connection 2

Function	Data interface
Type of connection	Connector
Thread size	M12
Type	Female
Material	Metal
No. of pins	5 -pin
Encoding	D-coded
Connector housing	FE/SHIELD

Pin	Pin assignment	Conductor color
1	TD+	Yellow
2	RD+	White
3	TD-	Orange
4	RD-	Blue

